

## FIG. 1

START

S1 RECEIVE BROADCAST NOTIFICATION INFORMATION  
S2 DETERMINE WHETHER NOTICE DISPLAY IS  
5 NECESSARY/UNNECESSARY  
S3 DISPLAY BROADCAST PROGRAM SELECTION SCREEN  
S4 ACQUIRE BROADCAST PROGRAM INFORMATION  
S5 RECEIVE BROADCAST DATA  
S6 BROADCAST DATA RECEIVE PROCESSING  
10 S7 SET BROADCAST DATA ALREADY READ FLAG  
S8 SAVE NOTIFICATION UNNECESSARY INFORMATION  
S9 END RECEPTION OF BROADCAST  
END

## 15 FIG. 2

BROADCAST DATA COMMUNICATION SYSTEM  
BROADCAST DATA TRANSMISSION SERVER 10  
INTERNET 60  
CORE NETWORK 20  
20 BROADCAST DATA PROVIDING SERVER 51  
BROADCAST DATA RECEIVING TERMINAL 41

## FIG. 3

COMMUNICATION SECTION 400  
25 BROADCAST NOTIFICATION INFORMATION RECEIVING SECTION 401  
BROADCAST PROGRAM INFORMATION ACQUISITION SECTION 402  
BROADCAST DATA RECEIVING SECTION 403

BROADCAST DATA PROCESSING SECTION 410  
NEWS DISPLAY OUTPUT DETERMINATION SECTION 411  
BROADCAST DATA RECEIVING DETERMINATION SECTION 412  
BROADCAST END PROCESSING SECTION 413  
5 INPUT/OUTPUT PROCESSING SECTION 430  
BROADCAST DATA SAVING SECTION 420  
INFORMATION OUTPUT SECTION 440  
OPERATION INPUT SECTION 450  
DISPLAY 441  
10 SPEAKER 442  
VIBRATOR 443  
INPUT KEY 451  
INPUT BUTTON 452  
AUDIO INPUT SECTION 453  
15  
FIG. 4  
BROADCAST NOTIFICATION INFORMATION D1(a)  
D2: BROADCAST NOTIFICATION INFORMATION IDENTIFIER  
BASEBALL  
20 BROADCAST NOTIFICATION INFORMATION D1(b)  
BASEBALL  
BROADCAST NOTIFICATION INFORMATION D1(c)  
SOCCER  
  
25 FIG. 5  
BROADCAST PROGRAM INFORMATION  
SOCCER

## WORLD CUP HIGHLIGHTS

FIG. 6

INFORMATION SERVICE

5 CURRENTLY ON AIR!

BASEBALL

FIG. 7

INFORMATION SERVICE

10 ON AIR!

SOCCER

BASEBALL

FIG. 8

15 BROADCAST DATA TRANSMISSION SERVER 10

BROADCAST DATA ACQUISITION SECTION 101

BROADCAST DATA SAVING SECTION 102

IDENTIFIER ADDITION SECTION 103

BROADCAST NOTIFICATION INFORMATION TRANSMISSION SECTION

20 104

BROADCAST PROGRAM INFORMATION REQUEST RECEIVING SECTION

105

ANALYSIS SECTION 106

BROADCAST PROGRAM INFORMATION TRANSMISSION SECTION 107

25 BROADCAST DATA TRANSMISSION SECTION 108

FIG. 9

BROADCAST DATA RECEIVING TERMINALS 41 TO 43  
BROADCAST DATA TRANSMISSION SERVER 10  
BROADCAST NOTIFICATION INFORMATION D1(a)  
BROADCAST NOTIFICATION INFORMATION D1(b)  
5 BROADCAST NOTIFICATION INFORMATION D1(c)  
NEW PROGRAM DETECTION  
RECEIVABLE NOTIFICATION INFORMATION (BROADCAST PROGRAM  
INFORMATION REQUEST)  
BROADCAST PROGRAM INFORMATION  
10 BROADCAST DATA

## FIG. 10

BROADCAST DATA TRANSMISSION SERVER 10  
BROADCAST DATA ACQUISITION SECTION 101  
15 SERVICE IDENTIFIER ADDITION SECTION 109  
BROADCAST NOTIFICATION INFORMATION TRANSMISSION SECTION  
104  
BROADCAST DATA SAVING SECTION 102  
ANALYSIS SECTION 106  
20 BROADCAST PROGRAM INFORMATION REQUEST RECEIVING SECTION  
105  
TRANSMISSION PROGRAM INFORMATION TRANSMISSION SECTION  
107  
BROADCAST DATA TRANSMISSION SECTION 108  
25

## FIG. 11

BROADCAST NOTIFICATION INFORMATION D1(d)

SPORTS LIVE

BASEBALL

SOCER

TENNIS

5 SKATING

BROADCAST NOTIFICATION INFORMATION D1(e)

SPORTS LIVE

BASEBALL

SOCER

10 TENNIS

SKATING

BROADCAST NOTIFICATION INFORMATION D1(f)

SPORTS LIVE

BASEBALL

15 SOCCER NEW PROGRAM

TENNIS

SKATING

FIG. 12

20 INFORMATION SERVICE

SPORTS LIVE

BASEBALL

SOCER

TENNIS

25 SKATING

FIG. 13

INFORMATION SERVICE

SPORTS LIVE

BASEBALL

SOCcer (UPDAtED)

5 TENNIS

SKATING

FIG. 14

BROADCAST DATA RECEIVING TERMINALS 41 TO 43

10 BROADCAST DATA TRANSMISSION SERVER 10

BROADCAST NOTIFICATION INFORMATION D1(d)

BROADCAST NOTIFICATION INFORMATION D1(e)

BROADCAST NOTIFICATION INFORMATION D1(f)

NEW PROGRAM DETECTION

15 RECEIVABLE NOTIFICATION INFORMATION (BROADCAST PROGRAM INFORMATION REQUEST)

BROADCAST PROGRAM INFORMATION

BROADCAST DATA

20 FIG. 15

START

S10 RECEIVE BROADCAST NOTIFICATION INFORMATION

S11 DETERMINE RECEIPTION OF BROADCAST DATA

S12 ACQUIRE BROADCAST PROGRAM INFORMATION

25 S13 DISPLAY BROADCAST PROGRAM SELECTION SCREEN

S14 RECEIVE BROADCAST DATA

S15 BROADCAST DATA RECEIVE PROCESSING

S16 SET BROADCAST DATA ALREADY READ FLAG  
S17 SAVE NOTIFICATION UNNECESSARY INFORMATION  
S18 END RECEPTION OF BROADCAST  
END

5

FIG. 16

BROADCAST DATA RECEIVING TERMINALS 41 TO 43  
BROADCAST DATA TRANSMISSION SERVER 10  
BROADCAST NOTIFICATION INFORMATION D1(X)  
10 BROADCAST NOTIFICATION INFORMATION D1(Y)  
BROADCAST NOTIFICATION INFORMATION D1(Z)  
NEW PROGRAM DETECTION  
RECEIVABLE NOTIFICATION INFORMATION (BROADCAST PROGRAM  
INFORMATION REQUEST)  
15 BROADCAST PROGRAM INFORMATION  
BROADCAST DATA

FIG. 17

BROADCAST NOTIFICATION INFORMATION D1(X)  
20 BROADCAST NOTIFICATION INFORMATION D1(Y)  
BROADCAST NOTIFICATION INFORMATION D1(Z)

FIG. 18

BROADCAST PROGRAM INFORMATION  
25 SOCCER  
SPORT ON AIR

FIG. 19

INFORMATION SERVICE

SPORT ON AIR

BASEBALL

5

FIG. 20

INFORMATION SERVICE

SPORT ON AIR

SOCCER

10 BASEBALL (ALREADY VIEWED)

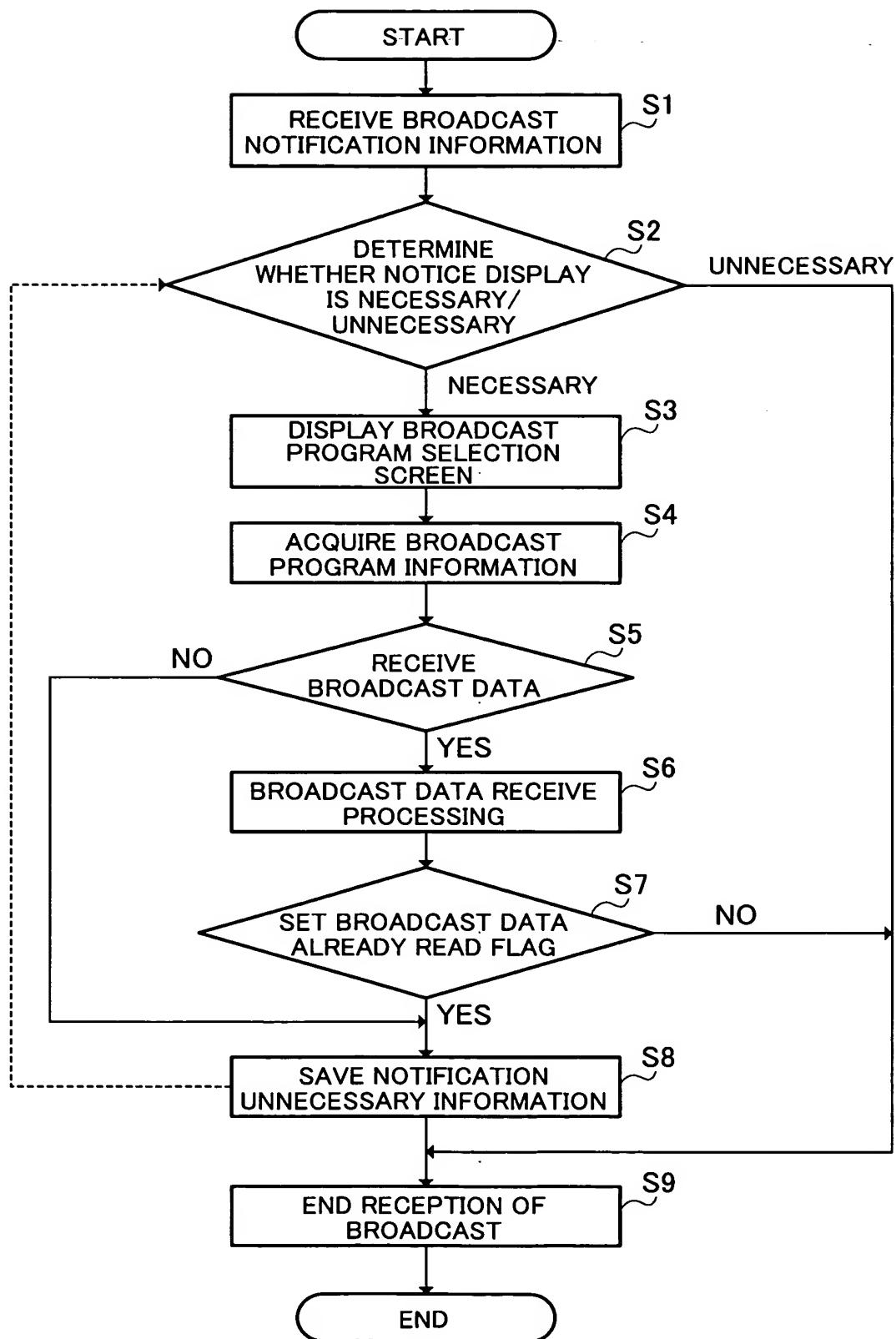


FIG.1

## 1 : BROADCAST DATA COMMUNICATION SYSTEM

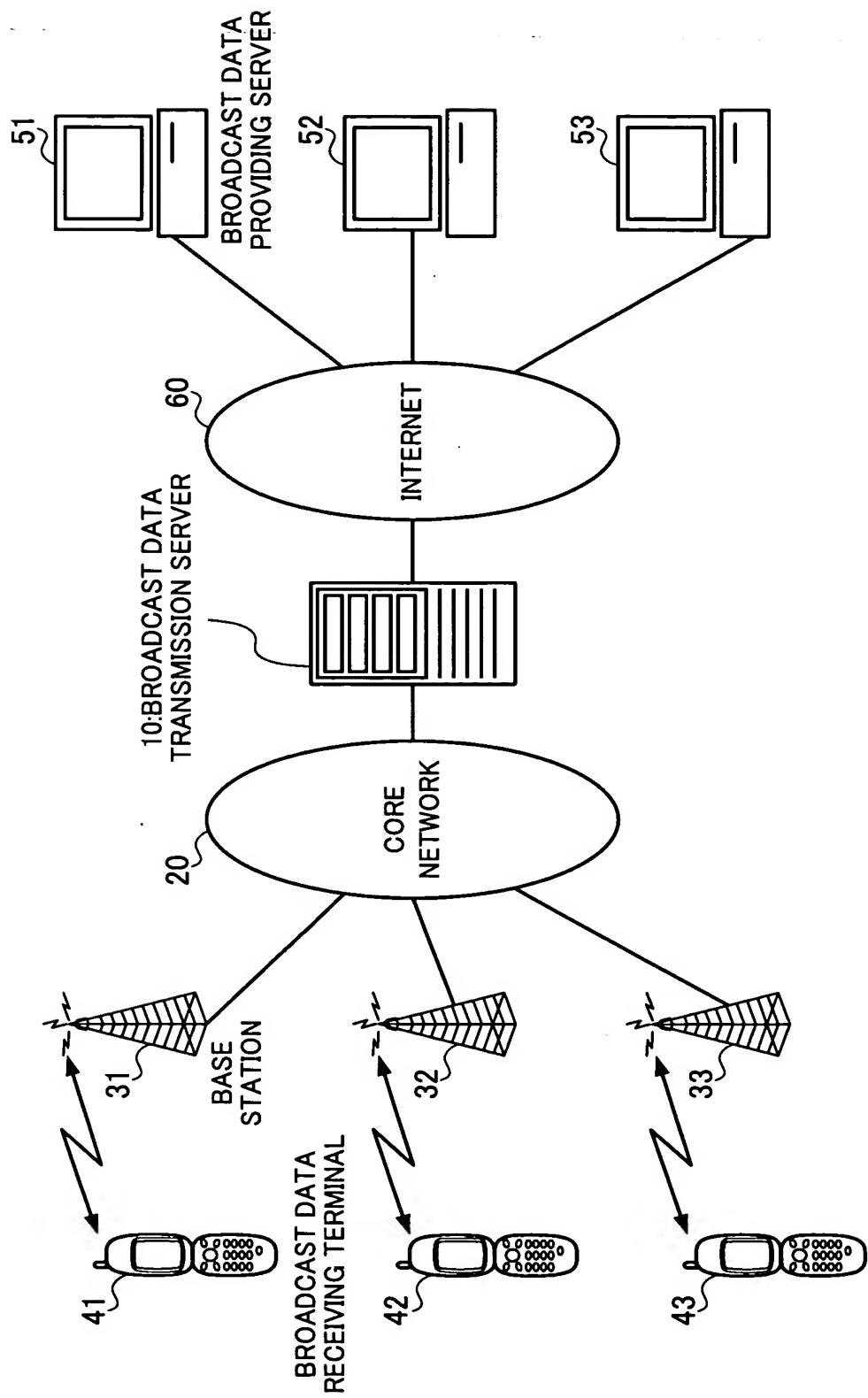


FIG.2

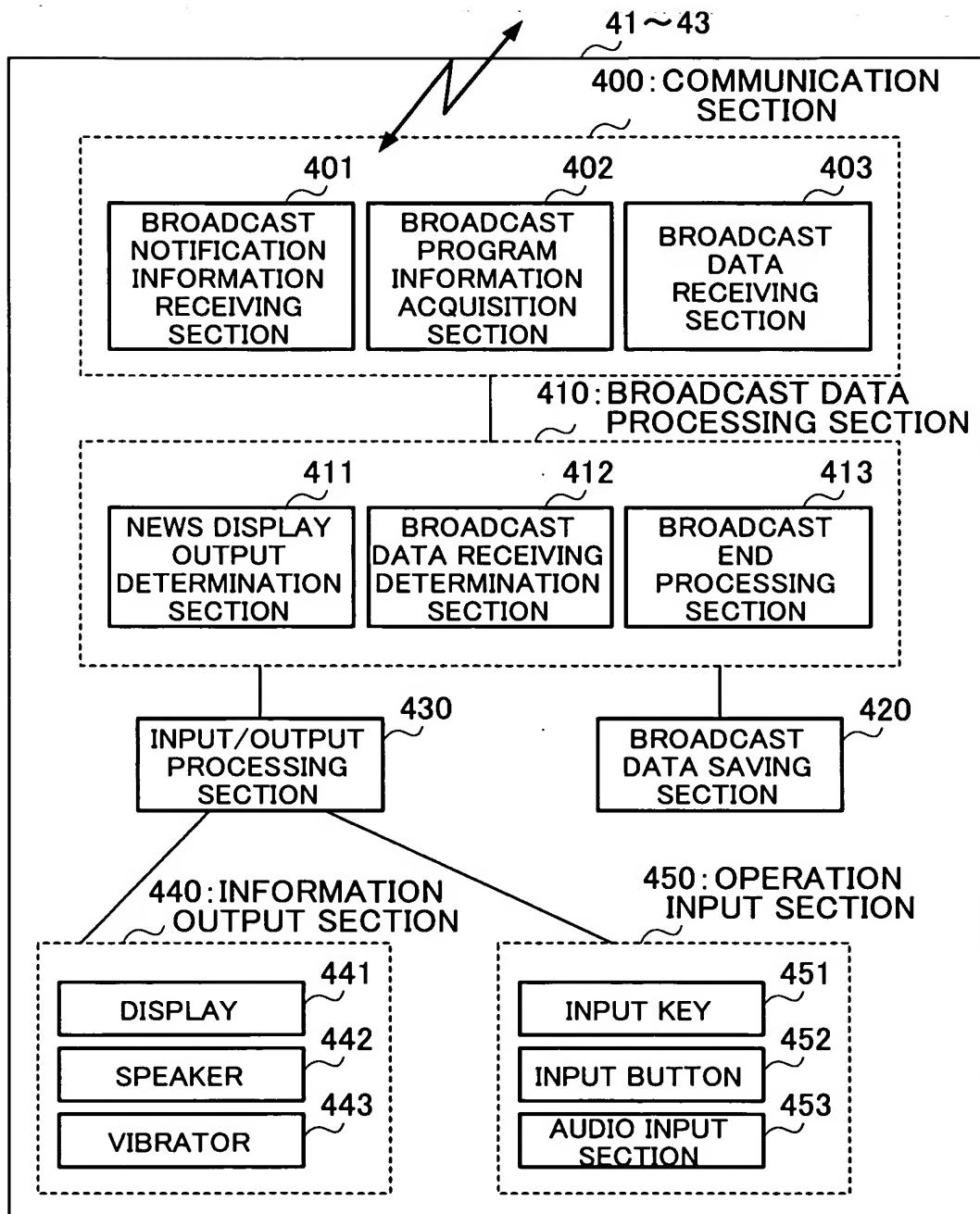


FIG.3

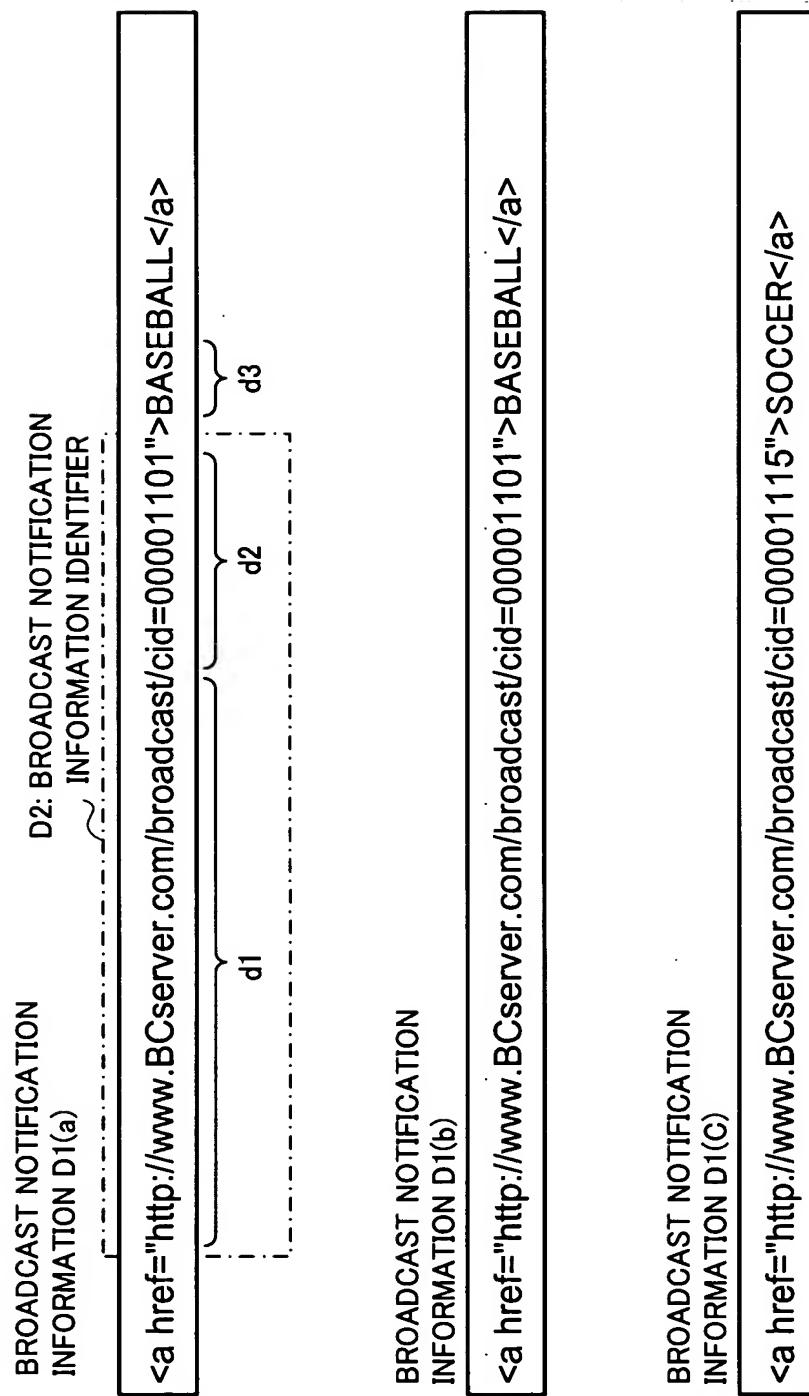


FIG.4

BROADCAST PROGRAM INFORMATION 00001115.sdp

```
v=0
o=anonymous 2890844526 2890842807 IN IP4 192.168.10.10
s=SOCCKER
i=WORLD CUP HIGHLIGHTS
e=anonymous@mail.com
c=IN IP4 0.0.0.0
b=AS:128
t=0 0
m=Video 0 RTP/AVP 96
b=AS:128
a=rtpmap:96 H263-2000/90000
a=fmtp:96 profile=3;level=1
m=audio 0 RTP/AVP 97
a=rtpmap:97 AMR/8000
b=AS:13
```

FIG.5

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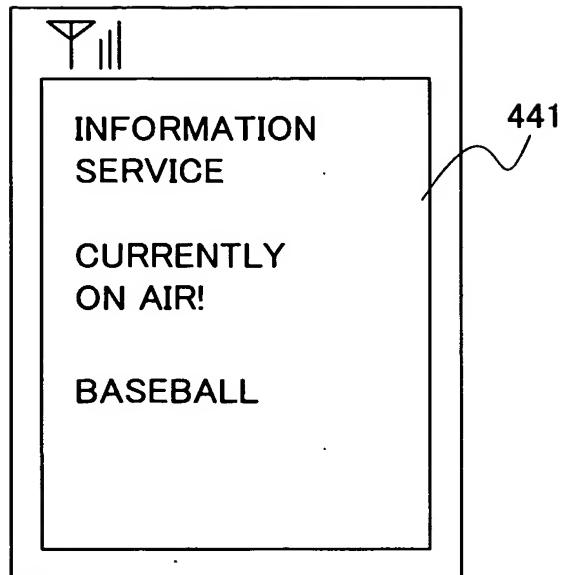


FIG.6

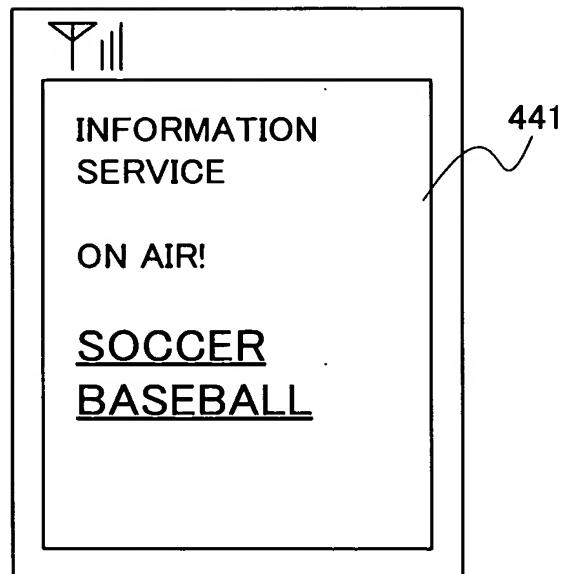


FIG.7

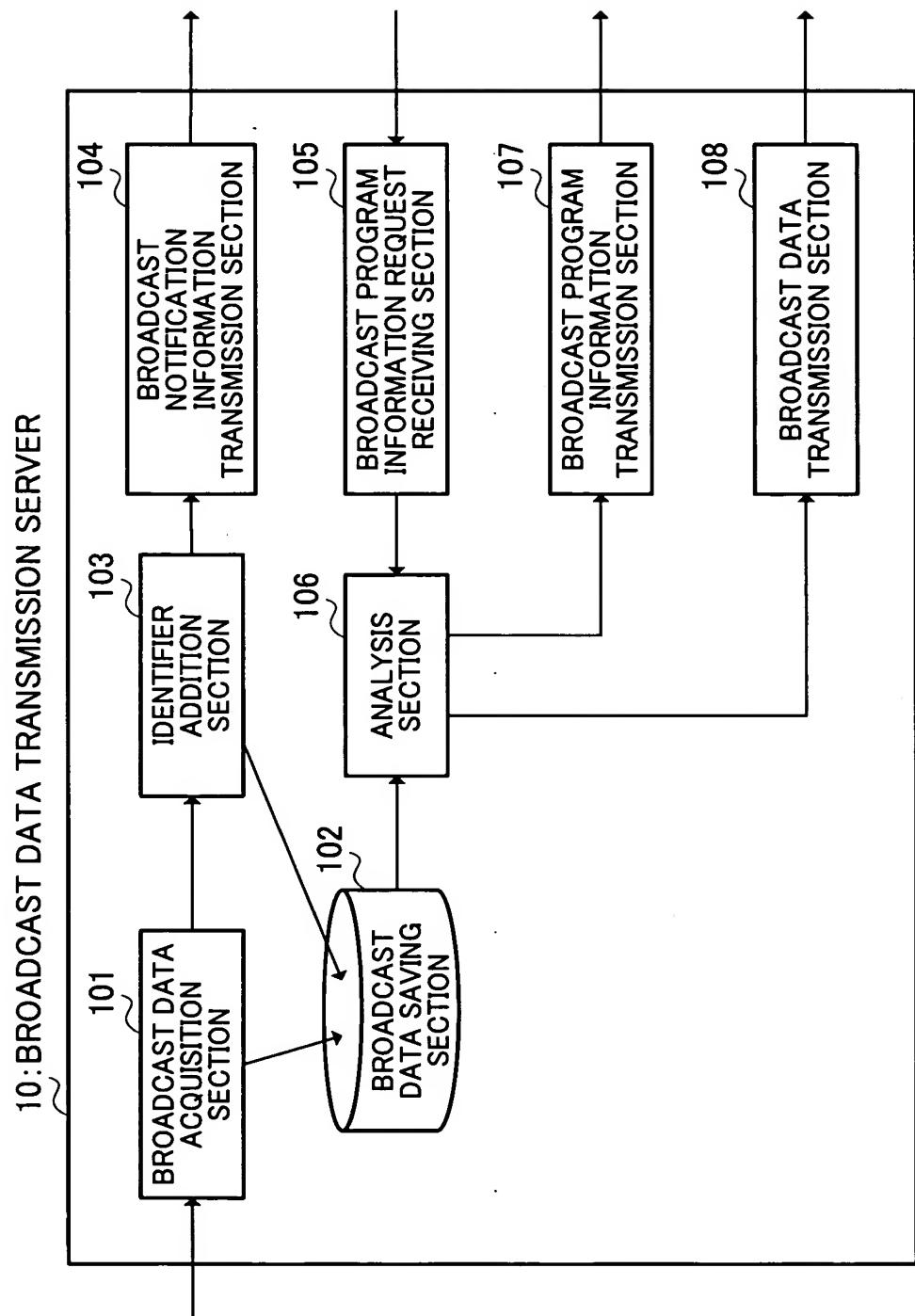


FIG.8

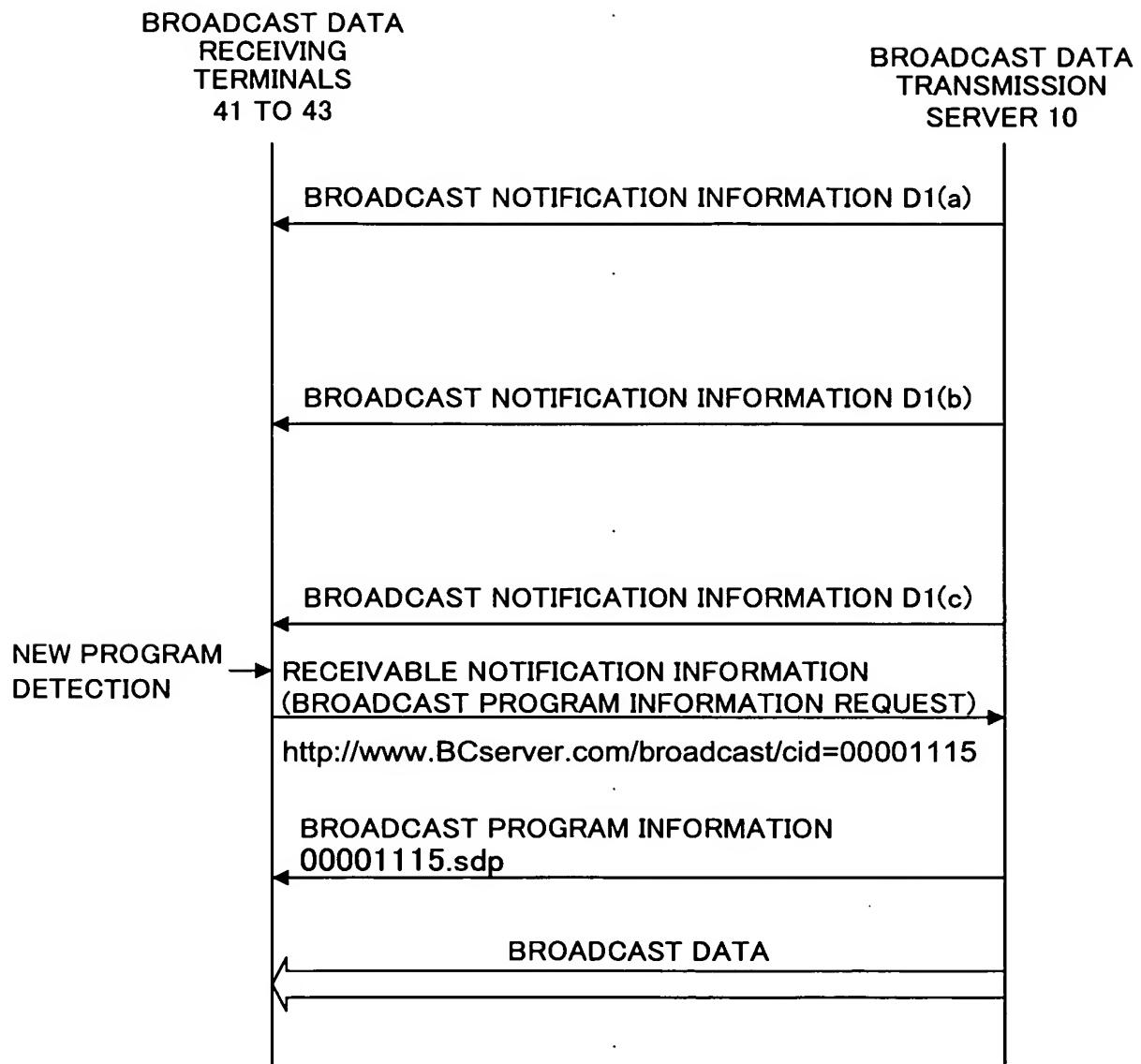


FIG.9

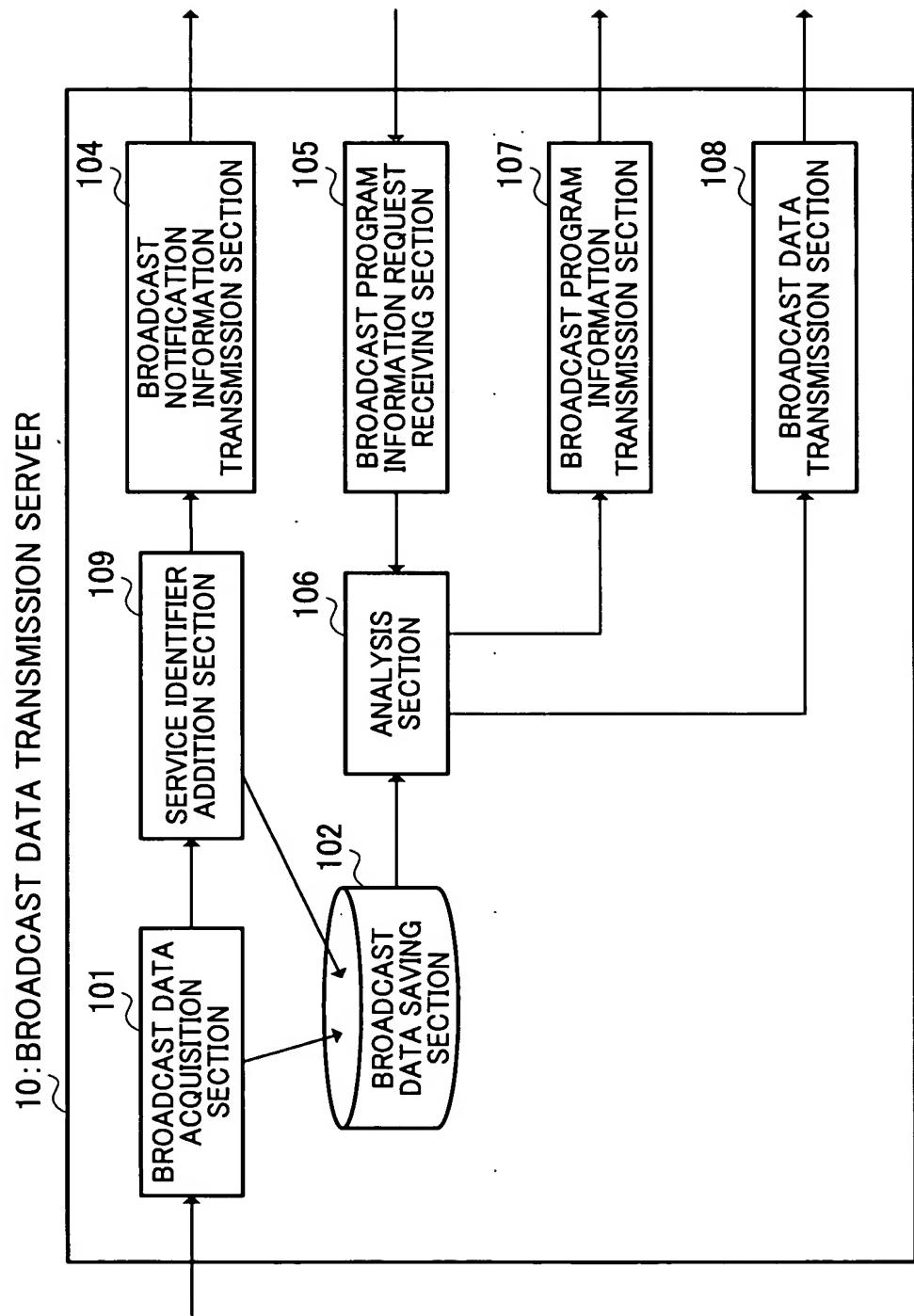


FIG.10

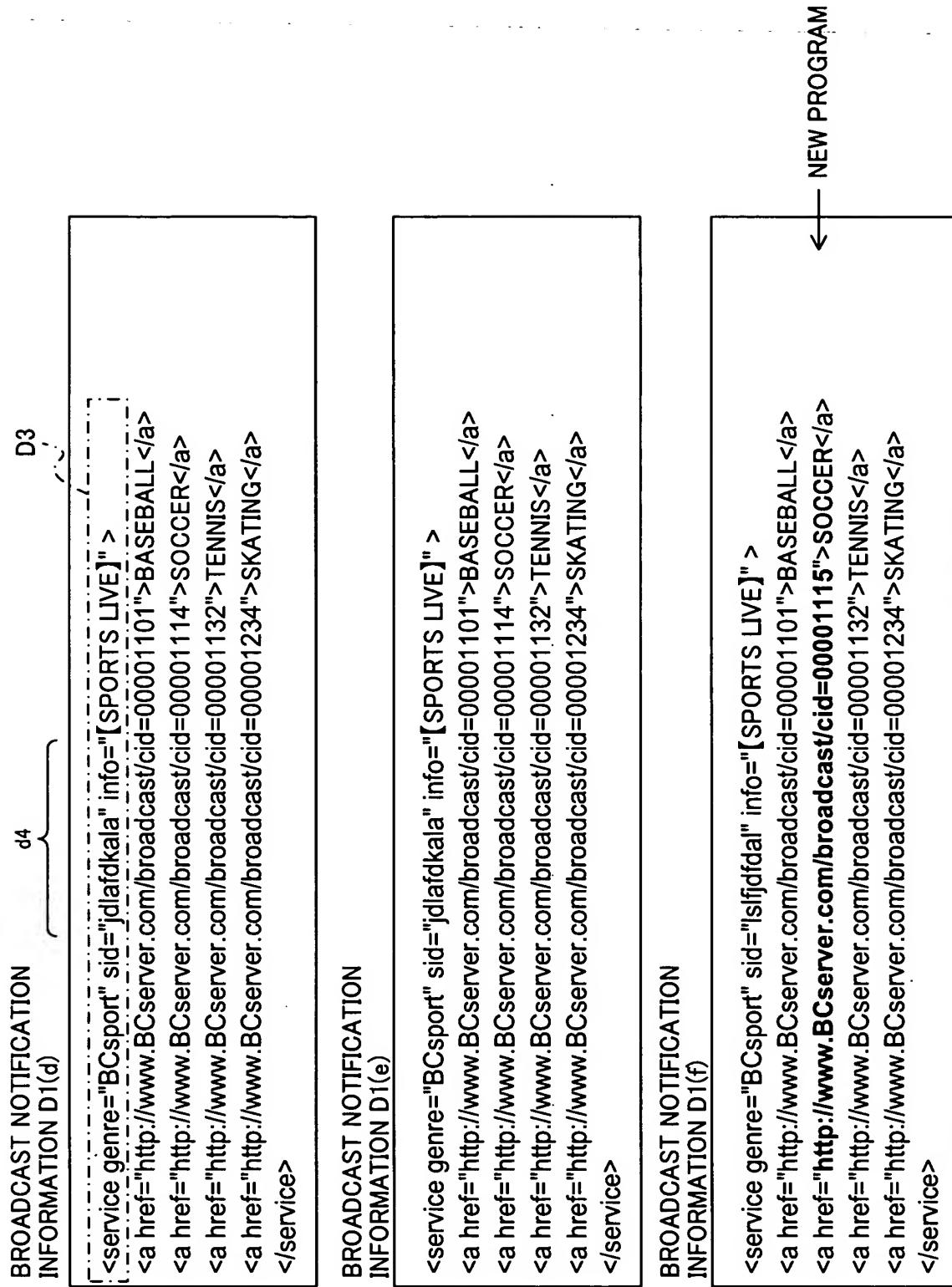


FIG. 11

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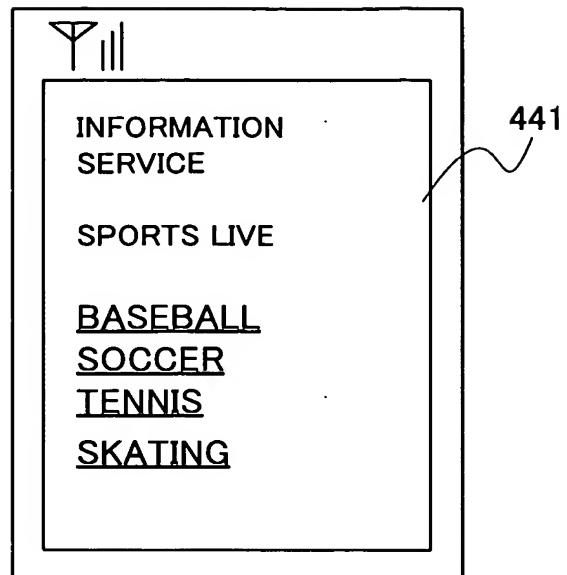


FIG.12

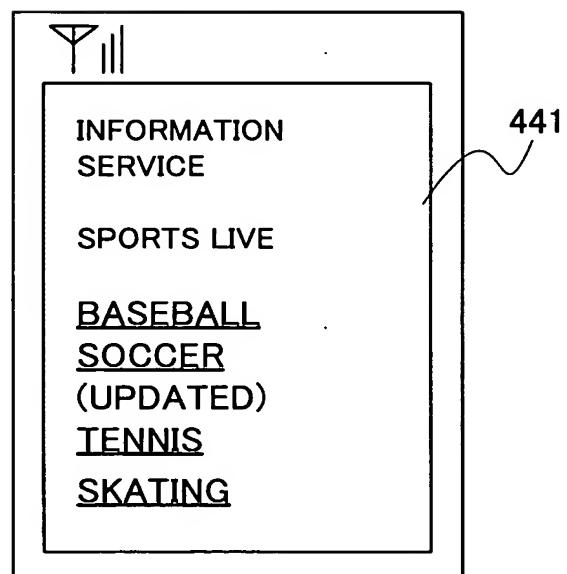


FIG.13

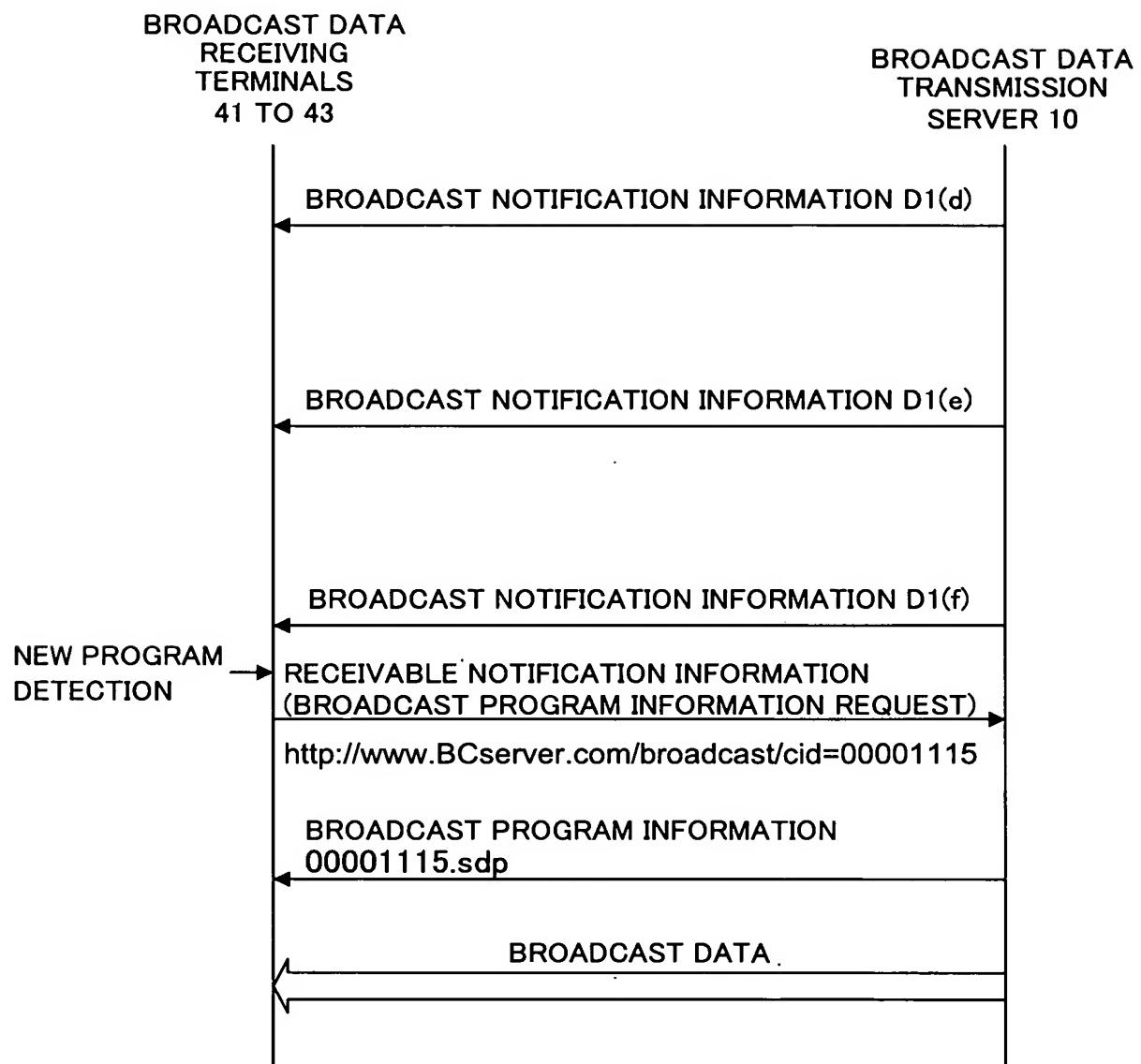


FIG.14

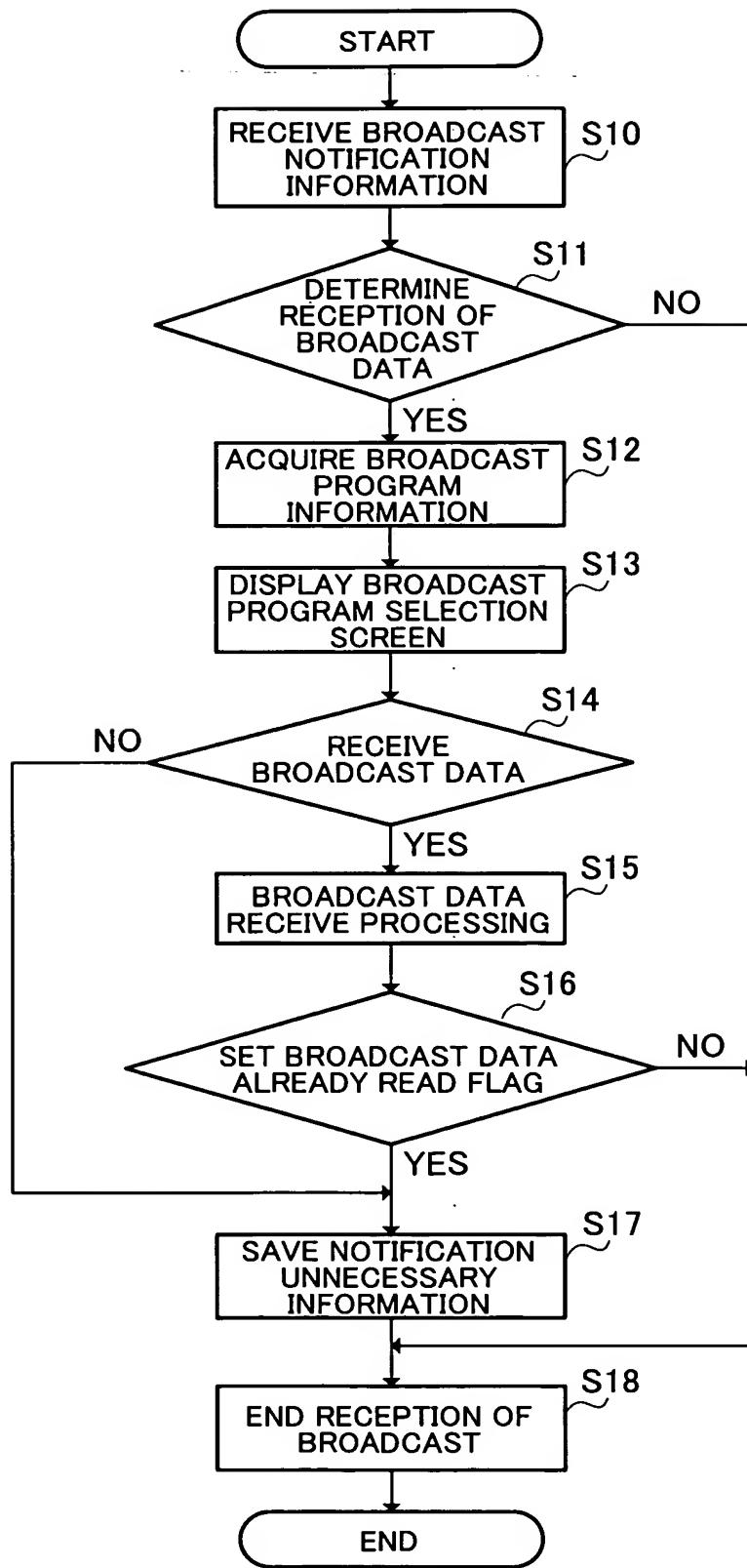


FIG.15

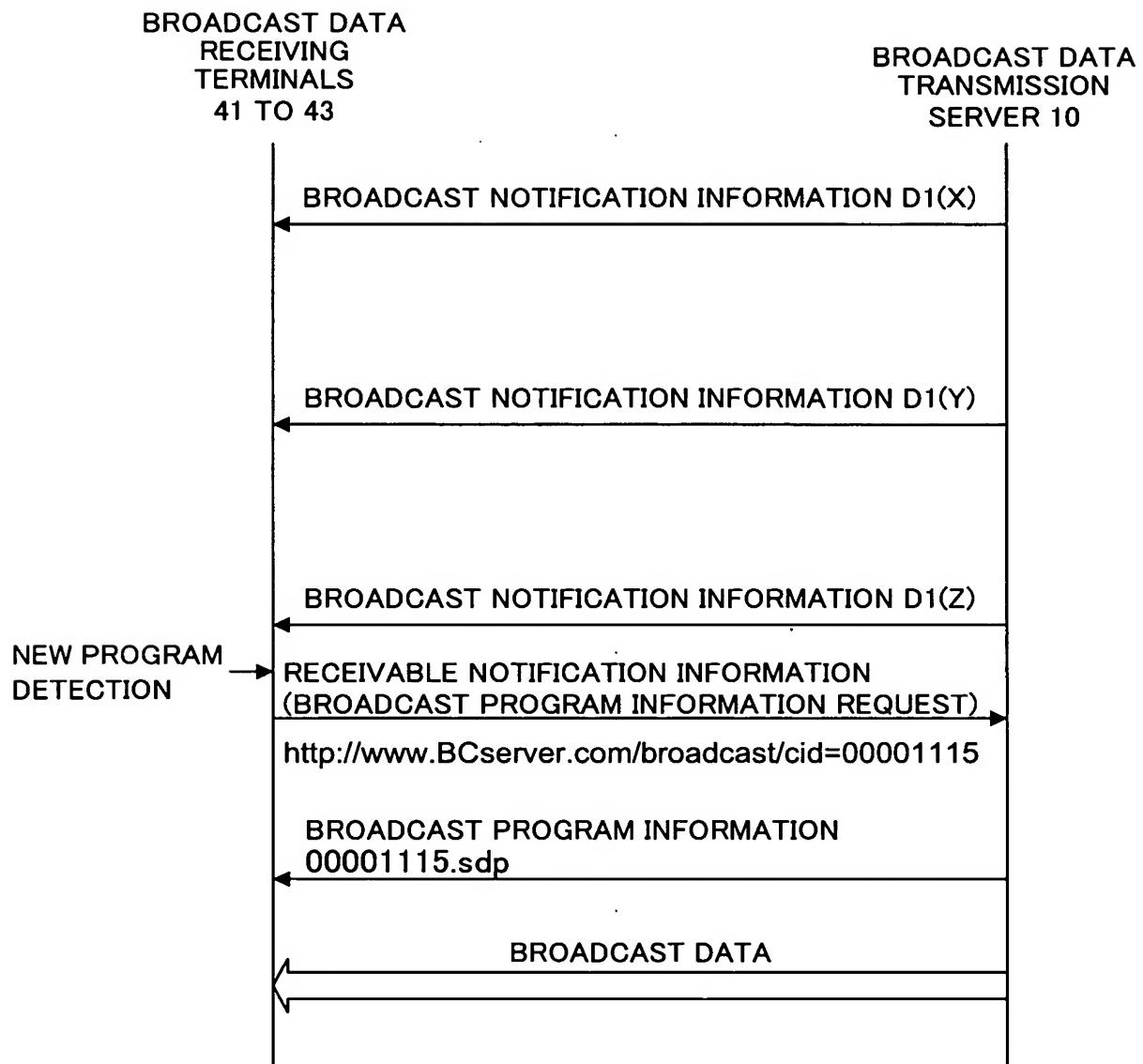


FIG.16

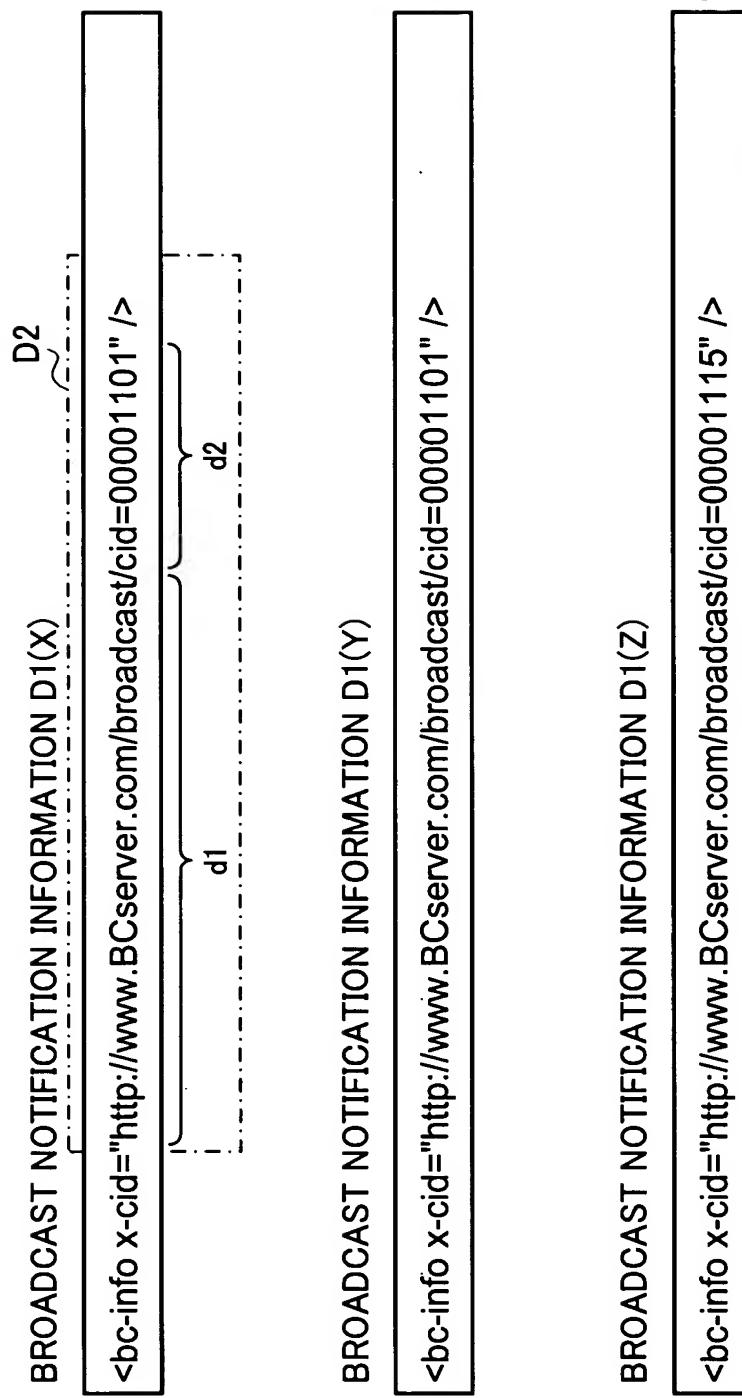


FIG.17

BROADCAST PROGRAM INFORMATION 00001115.sdp

```
v=0
o=anonymous 2890844526 2890842807 IN IP4 192.168.10.10
s=SOCCER
i=SPORT ON AIR
e=anonymous@mail.com
c=IN IP4 0.0.0.0
b=AS:128
t=0 0
m=Video 0 RTP/AVP 96
b=AS:128
a=rtpmap:96 H263-2000/90000
a=fmtp:96 profile=3;level=1
m=audio 0 RTP/AVP 97
a=rtpmap:97 AMR/8000
a=fmtp:97
b=AS:13
```

FIG.18

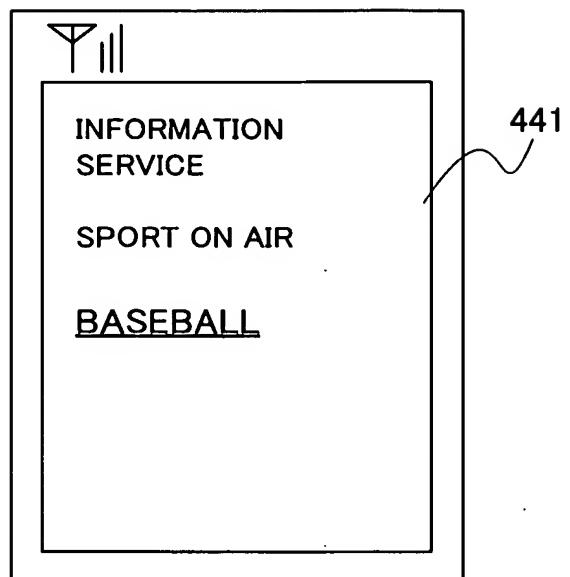


FIG.19

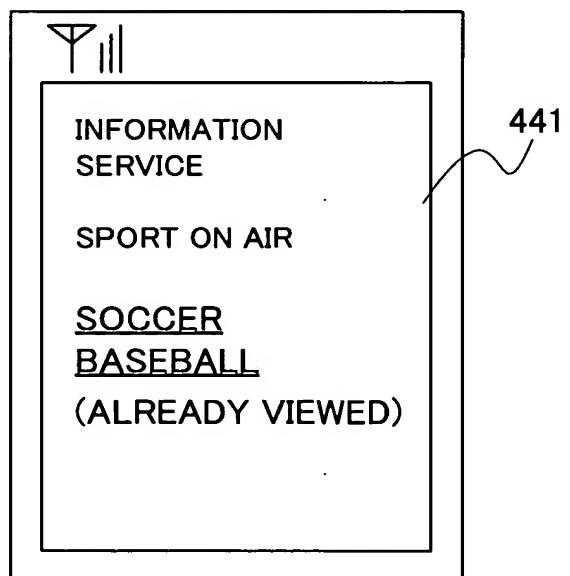


FIG.20